

Work Order ID 160965

Friday, May 05, 2017 11:15:13 AM

160965

Page 1

Item ID: D3449-1

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Pad

Stop

NS2

Start Date: 5/8/2017 Start Qty: 6.00

Required Date: 5/23/2017 Req'd Qty: 6.00

Reference: PURCHASED ITEMS

12 MAY 08 2017
~~*6*~~ DAS
~~*6*~~ 13
9-89

Cust Item ID:

Customer:

Approvals:

Process Plan:

DAS
21
9-89

Date: MAY 05 2017

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

NR1

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D3449

B

100

0.00

100

Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O: 36227 Fabricate as per Dwg D3449

Possible Supplier: Tulmar Safety Systems

Material release note is required

12

MAY 08 2017

DAS
13
9-89

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

Ensure Material Release Note is attached

RxSP175-19.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐								
		OTHER : _____							

Work Order ID 160965***160965***

Page 2

Friday, May 05, 2017 11:15:13 AM

Item ID: D3449-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Pad
Start Date: 5/8/2017 Start Qty: 6.00 ***6*** Cust Item ID:
Required Date: 5/23/2017 Req'd Qty: 6.00 ***6*** Customer:
Reference: PURCHASED ITEMS

Approvals: Process Plan: Date: Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- All purchased or subcontracted products	0.00							
120						12			DAS 38 9-89
QC	Memo	0.00							MAY 23 2017
Quality Control									
130	Identify as per dwg & Stock Location: <u>WAC02</u>	0.00							
130						12			DAS 6 9-89
Packaging	Memo	0.00							MAY 24 2017
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									17/5/25 9/8
QC	Memo	0.00							
Quality Control									


MAY 24 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
2014 08 2014								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : ☐									

Picklist Print

Friday, May 05, 2017 11:15:12 AM

Work Order ID: 160965

160965

Parent Item: D3449-1

D3449-1

Parent Item Name: Pad

Start Date: 5/8/2017

Required Date: 5/23/2017

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP A05.10.06New issueKJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3449-1P		Purchased	No			100	Each	0.0000	1	6			
D3449-1P									**	12			
Pad													

12x 80175-69.

DQA: _____ Date: _____

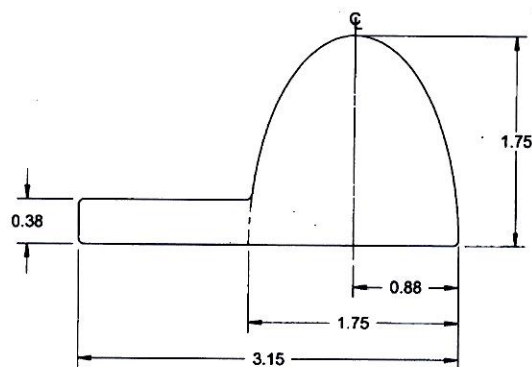
WORK ORDER NON-CONFORMANCE / UPDATE



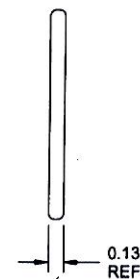
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																



D3449-1 PAD



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 160965 MLS
FOR US

RELEASED
2014-12-08
10

NOTES:

- 1) MATERIAL: B
 - 1.1) FOAM: SBR CLOSED-CELL, ASTM D1056 2A2, 1/8"x42"x72", ETHYLENE PROPYLENE NEOPRENE, FLAME RETARDANT, BRITTLENESS TEMP -40°F, IAW ASTM D 746, FMVSS 302
 - 1.2) FABRIC: 100% 420 DENIER NYLON, MIN THREAD COUNT 35x35, POLYURETHANE COATED ONE SIDE, COLOUR BLACK (REF. TULMAR P/N 1495)
 - 1.3) ADHESIVE: URETHANE WITH CATALYST, TWO PART, CLIFTON LA4009 OR LA4009NOVOC
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH P/N D3449-1 PER DART QSI 044 6.7
- 7) WEIGHT: 0.05 lb
- 8) POSSIBLE SUPPLIER: TULMAR SAFETY SYSTEMS

B	RE-FORMAT DWG TO CURRENT STANDARD, CHANGE MATERIAL SPECS TO MATCH SUPPLIER MATERIALS REASON: SEE PARM14-333	DB	14.08.12
A	NEW ISSUE	MB	05.08.15
REV.	DESCRIPTION	BY	DATE
DESIGN	MB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D3449	SHEET 1 OF 1
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	NA	PAD	NTS
DATE	14.08.12	COPYRIGHT © 2005 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



J. ENNIS FABRICS

CERTIFICATE OF CONFORMANCE

January 21, 2016

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawesbury, Ontario
K6A 2B8

Attention: Allan Chalot
E-Mail: allan@tulmar.com

Customer Purchase Order Number: 29645-00
J. Ennis Fabrics Reference Number: 03406993 T1

The following item/s is supplied under the stated reference:

- Oxford 7
- Description: oxford 7 Black
- Backing Content: 100% Polyurethane
- Coating: Product has a Polyurethane
- Construction: 0420 Denier
- Content: 100% Nylon
- Description: High Density Nylon, Piece Dyed, PU coated
- Features: Phthalate Free
- Weight: 5.98 ounces per square yard. 8.98 Ounces per Linear yard
- Width: 58"(147 cm)
- Hydrostatic Resistant: AATCC 127(Suter)-Average 800 mm
- Protective Finish: DWR Durable Water Repellant

This is to certify that the product/s stated herein have been manufactured in accordance to the specifications stated by the manufacturer as well as the specifications stated on your order

Sincerely;

JAN 29 2016

J. Nykolyszyn
Jennifer Nykolyszyn
Customer Service Center



1495
B#34

cle's used to mfg. D3449-1 + MU
except note w. (Rev. B+1)

Sonnie LaLiberté (cc)
May 18/18



Oxford 58"

OXFOR7 SPECIFICATIONS

Description	Oxford 7 Black
Backing Content	100% Polyurethane
Cautions	Product will fade with prolonged U.V. exposure. Not dimensionally stable with temperature change. Nylon is NOT suitable for boat tops, travel covers, tonneau covers or other outdoor applications.
Cleaning Instruction	Mild Soap and Water.
Coating	Product has a Polyurethane Coating.
Construction	0420 Denier
Content	100% Nylon
Description	High Density Nylon, Piece Dyed, PU coated
Features	Phthalate Free
Hydrostatic Resistan	AATCC 127 (Suter) - Average 800 mm.
Protective Finish	DWR Durable Water Repellant
Roll Size	50 yards (45.7 m)
Style	Solids / Plain
Uses	Apparel Equine Products Hockey Equipment
Weight	5.98 ounces per square yard. 8.98 Ounces per Linear Yard
Width	58" (147 cm)

** This information is offered for your general guidance only. It is accurate to the best of our knowledge and is not intended to relieve the user from its responsibility to investigate and understand other pertinent sources of information and to comply with all laws and procedures applicable to the safe handling and use of this material. Final determination of the suitability of any product for an application rests with the user.

*This term and any corresponding data refer to typical performance in the specific tests indicated and should not be construed to imply the behavior of this or any other material under actual fire conditions.

Although we do our best to make sure that the colors on our web site are accurate, actual colors will vary. Subtle color differences and textures may not be fully appreciated on some systems due to differences in monitors and/or printers.

www.jennisfabrics.com
 Email: support@jennisfabrics.com
 21/Jan/2016

English : (800)663-6647
 French : (888)663-6647
 USA : (877)953-6647
 Fax : (888)274-2910

TULMAR**Certificate of Conformance**

Tulmar P/N 1637-002	Description 1/8" X 42" X 72"	Dwg #	Revision 4	Qty
Tulmar PO # 30820-00	Line Item # 1	Supplier Name / Address AM RUBBER & FOAM GASKETS INC 2074 STEELES AVE. EAST, UNITS 1 & 2 BRAMPTON, ON L6T 4Z9		Supplier Packing Slip # 13480

Supplier Declarations:

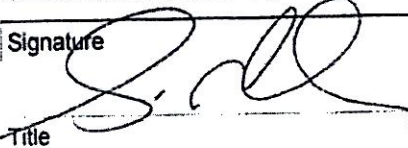
Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have included, the following substances:	Hexavalent Chromium; Cadmium; Beryllium; Nickel; Mercury; Lead; Asbestos; Radioactive elements YES ☐ NO ☒
Country of Origin of Goods : CANADA		if YES, please complete the HazMat Acknowledgement form @ www.tulmar.com
Limited Shelf-Life	<u>Definition:</u> If material is consumed or transformed into final product before end of shelf-life there is no effect on final product.	These items have a limited Shelf-Life YES ☐ NO ☒
Expiry date	<u>Definition:</u> Date after which performance will no longer be as intended - expiration is transferred to the final product	These items have an expiry date YES ☐ NO ☒

if YES, please complete the Time Expired - Shelf-Life questionnaire @ www.tulmar.com

Additional Information (MRS#, MRA#, limitations, etc...):

FOAM, SBR/EPDM/CR BLEND, BLACK
ASTM D1056 2A2, 1/8" THK.
SHEET SIZE 42" X 72" +/-0.5"
BRITTLNESS TEMP OF -40 DEGREES F
IAW ASTM D746
QUALITY CLAUSE: GrBT3

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. Objective evidence to support this statement is on file and can be made available upon request. Should further information be required, please contact:

Signature 	Name SANDRA PULSINELLI	Date (DD-MMM-YYYY) 14-12-2016
Title PRODUCTION	Email sandra@amrubber.ca	Phone # 905-455-1449

1637-002
B#10

DEC 21 2016

Form Revision 13 Aug 2012





48 Burgess Place
Wayne, NJ 07470

Certificate Of Analysis

2/17/2017

Sales Order Number: 9425
Customer Order Number: 30970

Manufactured for
TULMAR SAFETY SYSTEMS

4172-C6.9A LA4009NOVOC, P/N 7122-001 14172-C6.9A - LA4009NOVOC, UNLINED GALLON CAN

Lot# PNJ-0117-0331 Qty: 53 CANS + PART CAN @ 3# Manufacture Date: 2/1/17 Expiration Date: 2/1/18

Test(s)	Results	Min	Max	
% Solids @275F for 30 minutes	15.0000	13.00	15.00	Percent
Brookfield, RVT, #3 Spindle, 20RPM, 78F	1,015.0000	800.00	1,500.00	Centipoise
Visual check for dry film color	pass	(CLEAR TO HAZY YELLOW) PASS/FAIL		

4556-S1.9 CAT7020, P/N 7153-002 14556-S1.9 - CAT7020 QUART CANS SQUARE UNLINED

Lot# PNJ-0117-0329 Qty: 11 EA Manufacture Date: 2/14/17 Expiration Date: 8/14/17

Test(s)	Results	Min	Max
	NOT APPLICABLE	NA	NA

4914-C7 DB7020M1, P/N 7153-001 14914-C7 - DB7020M1, GALLON LINED CAN

Lot# PNJ-0117-0332 Qty: 52 CANS + PART CAN @ 5# Manufacture Date: 2/3/17 Expiration Date: 8/3/17

Test(s)	Results	Min	Max	
% Solids @275F for 30 minutes	23.7000	21.00	24.00	Percent
Brookfield, RVT, #3 Spindle, 20RPM, 78F	835.0000	450.00	1,250.00	Centipoise

"The material supplied conforms to all applicable engineering drawing, specifications and PO requirements."

Dan Constantino

Daniel Constantino
Quality Assurance Mgr/ISO Coordinator

Country of Origin: USA

7122-001
B#10

FEB 28 2017





Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36227

Purchase Order Date 5/8/2017

PO Print Date 5/9/2017

Page Number 1 of 2

Order From :
TULMAR SAFETY SYSTEMS
1123 CAMERON ST
HAWKESBURY, ON K6A 2B8
CA

VC-TUL001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

MAY 09 2017

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	613 632 1282	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D3445-041P AS PER DWG D3445 REV. A B160973	Belt Assembly	5/25/2017 Yes 5/25/2017		10.00 Each	\$40.84	\$408.40
Line Total:							\$408.40
2	D3449-1P AS PER DWG D3449 REV. B B160965	Pad	5/25/2017 Yes 5/25/2017		12.00 Each	\$34.50	\$414.00
Line Total:							\$414.00

DAS
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9-89

8917-519

Note:

5/9/2017

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8
Tel: 613-632-1282
Fax: 613-632-2030
GST R132478223
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No Page

60228 1

Ship Date
5/18/2017

Bill To:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To:

Dart Aerospace
1270 Aberdeen Street
TEL: 613-632-9577
Hawkesbury, ON K6A 1K7
Canada

Order number	Sales order date	Account number	Loc	Account manager	PO number	Ship via	Shipping Terms
34848	5/9/2017	CDART100	H	Francine Bigras	PO36227	Pick-Up	FOB HAWKESBURY
Item No.	Description	Quantity ordered	UOM	Qty Shipped/Returned	Quantity on back order		
LINE 4 = Procurement Clauses: A004 A005 A007 A016 A026 A040 A041 A043 (TSS=5YRS ONLY) CUSTOMER PICKUP							
8421-100	Dart Blade Fold Kit-Pad #1 Drawing No: D3449-1+MU, Except Note 6 DWG Rev: B+1 LINE 2 SF 41953	12.00	EA	12.00			
Lot no.: BATCH0000000009		12.00					
8420	Belt Ass'y, Black / 1" web, Side release buckle, Drawing No: D3445-041 DWG Rev: A LINE 1 SF 41952	10.00	EA	10.00			
Lot no.: BATCH0000000012		10.00					

SP 17-5-19.

248
38
89

Certificate of Conformance

☒ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

Lorraine Laliberté

Date:

MAY 19 2017